

SFB
1078



Protonation Dynamics
in Protein Function

➤ Colloquium

Mon, Jan. 22,
2018

15:15 – 17:30

Freie Universität Berlin
Physics Department
Lecture Hall B

(Arnimallee 14, 14195 Berlin-Dahlem)

➤ **Dr. Marc Nowaczyk** – Ruhr-Universität Bochum, Germany

Biogenesis and Adaptation of Cyanobacterial Photosystem II

Dr. Nowaczyk and his group focusses on the research of cyanobacterial membrane protein complexes, which as components of the photosynthetic and respiratory electron transport chain play an essential role in the cell's energy metabolism. Besides standard techniques in molecular biology and protein biochemistry, Marc Nowaczyk and his coworkers employ chromatographic purification of transient membrane complexes and subsequent mass spectroscopical characterization of the protein components. More details including publications can be found on the Nowaczyk group [webpages](#) at the Ruhr-Universität Bochum RUB.

➤ **Prof. Sandra Luber** – Universität Zürich, Switzerland

Advanced ab initio simulations for spectroscopy and artificial water splitting

Prof. Luber's research in theoretical and computational chemistry includes various topics such as investigation of chiral systems, purpose-driven spectroscopy, vibrational spectroscopy for condensed phase systems and interfaces, analysis of functional compounds as well as catalysis and design. Furthermore, Sandra Luber and her group contribute implementations to major program packages like Turbomole, MOVIPAC and CP2K. More information on her research topics and selected publications can be obtained online from Prof. Luber's [webpages](#) at the University of Zurich UZH.

Coffee and tea are ready at 15:00 and during the break from 16:15 – 16:30.

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